7.1

HW 9

Switches @ 2 Supply votage

Figs @ ± 29V

V(+)= V0 Z

V(+)=1.5 voe-tre

asvo=1 svoe the

13 = e-tru

t=1.1RC

t=11 RC

721

when @ lov, discharges through ground End RB

v(+)= be trec

5= 10e-t12L

== e-VRC

T= 0.693 RL

Changing 5v to 15v

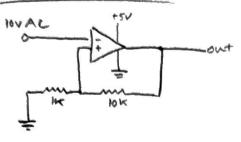
V(+) = Vo (1-e-t/20)

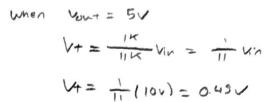
5=10 (1-e-tan+PB)

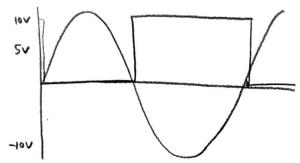
1 = 1-e-thanks

T= 0.693 (Rx+183)C

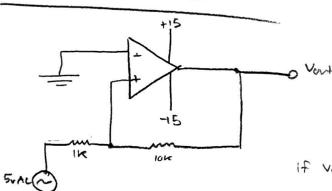
T=0.693(R++R13)C







Comparator handout No. 4



$$I = \frac{15}{10 \, \text{K}} = D$$

$$0 - 1000I = VAC$$

$$\frac{-15(1000)}{10,000} = \frac{-15}{10} = -1.5V = V_{AC}$$

Vout =-15V

flips between